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Titolo	Benchmarking Peer-to-Peer Systems [[electronic resource]] : Understanding Quality of Service in Large-Scale Distributed Systems / / edited by Wolfgang Effelsberg, Ralf Steinmetz, Thorsten Strufe
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Collana	Computer Communication Networks and Telecommunications ; ; 7847
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Soggetti	Computer communication systems Computer system failures Software engineering Application software Personal computers Computer Communication Networks System Performance and Evaluation Software Engineering Information Systems Applications (incl. Internet) Personal Computing
Lingua di pubblicazione	Inglese
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Nota di contenuto	Introduction -- A Formal Model for Peer-to-Peer Systems -- Benchmarking Methodology -- Structured Search Overlays -- Content Delivery Overlays -- Decentralized Monitoring in Peer-to-Peer Systems -- Service Overlays -- Peer-to-Peer Overlays for Online Games -- Video-Streaming Overlays -- Summary and Conclusion.
Sommario/riassunto	Peer-to-peer systems are now widely used and have become the focus of attention for many researchers over the past decade. A number of algorithms for decentralized search, content distribution, and media streaming have been developed. This book provides fundamental concepts for the benchmarking of those algorithms in peer-to-peer systems. It also contains a collection of characteristic benchmarking results. The chapters of the book have been organized in three topical

sections on: Fundamentals of Benchmarking in P2P Systems; Synthetic Benchmarks for Peer-to-Peer Systems; and Application Benchmarks for Peer-to-Peer Systems. They are preceded by a detailed introduction to the subject.
